

CROSSTALK CANCELLATION CIRCUIT, INTERCONNECTION MODULE,
INTERCONNECTION METHOD OF AUTOMATIC INTERCONNECTION
APPARATUS, AND INTEGRATED CIRCUIT

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ABSTRACT OF THE DISCLOSURE

A crosstalk cancellation circuit for suppressing
crosstalk noise of interconnections in an integrated
circuit, comprising N (N is an even number of 2 or more)
10 number of first inverters, a first interconnection for
connecting the N number of first inverters in series, N
number of second inverters, and a second interconnection
for connecting the N number of second inverters in
series, wherein the first and second interconnections are
15 arranged adjacent in parallel to each other, at least one
first inverter is arranged at a location where crosstalk
noise due to a parasitic capacity between the first and
second interconnections is canceled out on the second
interconnection, and at least one second inverter is
20 arranged at a location where the crosstalk noise is
canceled out on the first interconnection.